



US005121476A

United States Patent [19][11] **Patent Number:** **5,121,476****Yee**[45] **Date of Patent:** * **Jun. 9, 1992**[54] **TV DATA CAPTURE DEVICE**[56] **References Cited**[76] **Inventor:** Keen Y. Yee, 57 Ogden Ave., White Plains, N.Y. 10605**U.S. PATENT DOCUMENTS**

| | | | |
|-----------|--------|--------------------|----------|
| 4,367,548 | 1/1983 | Cotton, Jr. et al. | 358/86 X |
| 4,367,557 | 1/1983 | Stern et al. | 358/86 |
| 4,395,780 | 7/1983 | Gohm et al. | 358/86 X |
| 4,695,880 | 7/1987 | Johnson et al. | 358/86 |
| 4,734,764 | 3/1988 | Pocock et al. | 358/86 |

[*] **Notice:** The portion of the term of this patent subsequent to Jan. 16, 2007 has been disclaimed.*Primary Examiner*—Heather R. Herndon[21] **Appl. No.:** 645,599[57] **ABSTRACT**[22] **Filed:** Jan. 25, 1991

A television data capture device is used with a television set or monitor to selectively extract, store, retrieve and display on the TV set or monitor extracted digital data. A composite video-digital signal is received from which digital data is removed by a digital data extractor. A memory unit, a permanent storage unit, and a microprocessor are also provided, enabling the user to store and retrieve from storage selected digital data previously extracted from the composite signal. A digital video converter converts extracted digital data to video signals for display of extracted digital data with the currently transmitted video signal.

Related U.S. Application Data

[63] Continuation of Ser. No. 429,078, Oct. 30, 1989, Pat. No. 5,010,499.

[51] **Int. Cl.⁵** G06F 15/62[52] **U.S. Cl.** 395/154; 358/86[58] **Field of Search** 364/518, 521, 522;
358/84, 86, 91, 92, 93, 94, 296, 301; 360/5;
369/48, 49, 83; 455/3, 4; 395/154**13 Claims, 1 Drawing Sheet**